

**CERTIFICATE OF EXPRESS MAILING:** I hereby certify that this paper and the documents referred to as attached therein are being deposited with the United States Postal Service using "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to "Commissioner of Patents and Trademarks, Washington, D.C. 20231" using express mail label number EV 025980799 US.  
Signed: Donald W. M. M. Date Mailed: July 10, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
NEW APPLICATION FOR UTILITY PATENT

5 **Title: METHOD AND APPARATUS FOR THE TEMPORAL SYNCHRONIZATION OF  
MEDITATION, PRAYER AND PHYSICAL MOVEMENT**

**Applicant: LORENZATO**

10

**FIELD OF THE INVENTION**

The present invention relates to the synchronicity of meditation, contemplation including prayer and physical movement, yoga, martial arts, dance, exercise and song of individuals in diverse physical surroundings, and more specifically to the use of images, sequences of images, colored signals and sounds designed and orchestrated to facilitate the cueing of said activities in individuals wanting or needing cues from mechanical and electronic devices such as watches, mobile phones, dedicated appliances, personal desk accessories, computers and internet devices for this purpose.

15

**BACKGROUND OF THE INVENTION**

20 The use of group meditation, synchronized mostly by ritual cues and /or verbal instructions, has over centuries been central to the spiritual buoyancy of many cultures. Meditation, contemplation including prayer and physical movement may be engaged as a individual practice or as a group practice. In the practice of meditation sounds and or images may be made which focus the person or persons meditating on the spiritual realm. The unity of a group in meditation may be defined as the process of the

New Utility Patent Application

Filing Date: July 10, 2003

Date of Mailing: July 10, 2003

Title: **METHOD AND APPARATUS FOR THE TEMPORAL SYNCHRONIZATION OF  
MEDITATION, PRAYER AND PHYSICAL MOVEMENT**

Serial No.:

Page 1 of 31

Attorney Docket No.: RML-401

group meditating at the same time. Attempts to synchronize said activities vary with cultures and individuals.

5 Originally synchronization of these activities depended on an identified individual cueing an audience of practitioners to participate. Discussion of prior art is with reference to varied embodiments of the present invention.

10 Murata addresses the distribution of propitious information in U.S. Publication No. 20020009988. An information serving terminal is operated by a worship place and a wireless terminal for distributing the information. Murata is designed to simulate an actual visit to a place of worship. Murata is used in delivering prayers to individuals when an individual wishes to acquire a prayer. Murata is never described as attempting to create a cueing of meditation, contemplation including prayer or physical movement in order to synchronize these activities in a temporal sense and the information emanates from a place of worship.

15

Birnbach et al. describes an invention for delivering prerecorded psycho-suggestive messages. In discussing the background of their invention the benefits of "positive thinking" are briefly discussed without acknowledging the psychological implications of reinforcing positive affects on the organization and development of an individuals personality. Birnbach et al may be explained by understanding the 20 nature of positive affects of belonging, security, faith on balancing defensive affects of personality including fear, control and others in order to maintain the defenses relaxed sufficiently to not manifest as anxiety. The invention of Birnbach et al. does not synchronize users in meditation, contemplation including prayer, physical movement including dance, martial arts, yoga and song.

The patent by inventor Gehlot on June 19, 2001 (6, 249, 222) describes an apparatus and method for generating a color based alerting signal to alert individuals to the occurrence of a predetermined event. The example of an incoming telephone call or page is used as a predetermined event. A colored base signal generated in response to a predetermined event such as an incoming call is distinct from a colored base signal that is an integral part of the mechanism of a device designed to cue an individual at one or many given times.

5 In contradistinction with the prior art, there is a fundamental difference between cueing individuals to initiate carrying out an action and alerting a user to the occurrence of a predetermined event such as a phone call. When a cue is generated internally in a device, in the temporal cueing of 10 individuals in order to synchronize the activities of meditation, contemplation including prayer and physical movement the color based signal, when used, is the determined event rather than the response to a predetermined event. In the event that the cue to said actions is in the form of a phone call or digital messaging then the cueing are considered the predetermined event. Other devices generating alarms of 15 other kinds including sounds and vibration for the purpose of alerting a user to the occurrence of a predetermined event are also distinct inventions from the present invention.

There is no suggestion in the prior art to synchronize meditation, contemplation or physical movement of a group of individuals in diverse physical surroundings. While from time to time, television 20 and radio has functioned to identify an individual to cue an audience of practitioners to participate in the aforementioned processes and activities, the present invention uses sound and visual images to synchronize said activities. These sounds and visual images may be broadcast by television and by radio.

Dahl describes in U.S. Patent No. 6,326,881, an alarm clock system. The embodiment of the

present invention is not merely a clock, but rather, is dedicated to providing various cues to meditation and the aforementioned activities of the present invention at a prescheduled times and scheduled times set by the user. The invention by Dahl at random times notifies an individual user of the device when it is time to become conscious of a moment facilitating a mindfulness, an awareness and stress reduction and quiet at that time. The present invention facilitates mindfulness, awareness, stress reduction and a 5 tendency to be quiet in some and to sing in others; yet the means achieving this are quite distinct, whereas Dahl makes no attempt to create a unity of these activities in a group of persons who are physically in distinct surroundings.

10

#### OBJECTS AND ADVANTAGES OF THE PRESENT INVENTION

Thus, it is an object and advantage of the present invention to provide a method and apparatus for the temporal synchronization of meditation, prayer and physical movement, including dance, yoga, martial arts and song.

15

Another object and advantage of the present invention is to facilitate the temporal synchronization of the processes of meditation, contemplation including prayer and physical movement for those individuals interested in synchronizing these activities with other individuals. The invention uses sound and visual cues from a myriad of technical devices synchronized to broadcast at one or multiple times a day in order to achieve the synchrony of activities in a group of individuals in distinct 20 physical surroundings.

Other objects, advantages and features of the present invention will become apparent from the following detailed description considered in conjunction with drawings used to conceptually illustrate the method and apparatus of the present invention.

New Utility Patent Application

Filing Date: July 10, 2003

Date of Mailing: July 10, 2003

Title: **METHOD AND APPARATUS FOR THE TEMPORAL SYNCHRONIZATION OF MEDITATION, PRAYER AND PHYSICAL MOVEMENT**

Serial No.:

Page 4 of 31

Attorney Docket No.: RML-401

## SUMMARY OF THE INVENTION

The present invention proposes a novel utilization of a myriad of preexisting technology to achieve a means to create synchrony of said activities. No prior invention serves the explicit purpose of creating a temporal unity of meditation and/or contemplation including prayer and/or physical movement including yoga, martial arts, dance and song over physical distance.

In a preferred clock or wristwatch embodiment, the use of acoustic transducers which are water and pressure resistant, the use of liquid crystal displays and of digitalized sound stored in ROM or EPROM are more recent developments that will be utilized in design and production.

10

Embodiments of the present invention designed to synchronize individuals in said activities include but are not limited to the following:

- 1) A watch or clock with an information system internal to the watch which includes a logic circuit, memory storage system and a means to deliver sound and or visual cues to the wearer of the watch at specific times. Said device may contain, either singly or in combination, a speaker for broadcasting sounds, and a screen for viewing images. The device shall have one or several input devices for managing the information and functions of the device.
- 2) A watch or clock with the capacity to receive telecommunication signals with part of the information system peripheral to the watch and supplied through telecommunications.
- 3) Software and firmware in telecommunications devices used to produce sound cues replacing phone alarms that may be activated by "phone calls" designed not to be responded to other then by beginning meditation or other of the aforementioned activities at that time. These "phone calls" can be conducted en masse resulting in a large number of individuals receiving the cue at the same time.
- 4) Software and firmware in PDAs, personal computers and internet devices manifest as

graphic frames that pop ups on a devices screen without any immediate prompting by the user. Said "pop up" graphic images may be distributed software that resides in the user's computer or software that is distributed by a server computer in a network of computers. The "pop up"s may or may not be accompanied by sound cues.

5) A dedicated device which is designed to prompt or cue meditation at specific times during the day. An example of this is a device that chants "Peace" every 6 hours for a given duration of time, such as between about 0 and 60 minutes, and more preferably between about 5 and 60 seconds, and most preferably between about 10 and 30 seconds. The device would allow the user to add or delete meditation cueing times, and change the durations and selection of sound and graphic cues. The preferred 10 embodiments of the present invention facilitate a large portion of a population to meditate or engage in other activity in unity, such as at various times daily.

Many watches, clocks and other devices have integrated into their function alarm systems. In the present invention, devices will be constructed specifically for the purpose of alarming an individual to an 15 event. The process of synchronizing individuals in said activities over physical distance could be achieved by means other then the present invention, nonetheless the present invention is useful, novel and will produce new and unexpected results. Alarms used, unlike those in the prior art, will not have agitating or irksome tones so that the likelihood of induced meditation and contemplation are enhanced.

20 In another preferred embodiment of the present invention, phone calls are used to cue meditation and contemplation at specific times of the day. Eventually, even agitating sound tones that otherwise would result in the physiological response of vigilance and alertness will result in relaxation and finding the capacity to meditate within. When specific sound tones in a telecommunication or internet or other type of linked device are related specifically to said cueing of meditation process, including telephone

calls, "You've got mail" and other, mono- or poly-phonic tone common or ubiquitous or unique sounds, images and sensations, then a distinct physiologically healing or meditation-inducing response to those sound tones, images or other sensations would be expected as the individual becomes conditioned to those tones, images or other sensations .

5

Use of the present invention will be facilitated by distribution of information on the benefits of unity in meditation. The information may be distributed over computer networks or on printed page or as information imbedded in a programmable or pre-programmed electronic device.

10 In the case of a preferred embodiment of the present invention, the psychological relationship or empathy with the meditation watch establishes the novel attributes of being a focal point for cueing synchronization of meditation and/or contemplation including prayer and/or physical movement.

15 Cues for meditation and the other aforementioned activities contain emotional content and are therefore "psycho-suggestive messages".

20 Cues of aforementioned activities referred to in the present invention are designed to initiate a myriad of activities; contemplation and meditation are included. The content of a cue is short and not specific. In the present invention it is up to the user to determine the message of his or her activity. For example, by creating a synchrony of meditation a unity in meditation is established allowing the user to understand he or she belongs to a greater whole. In the present invention, faith is directed outwardly by knowing that other individuals are engaged in psychological, spiritual and social growth rather than inwardly to generate new self images. The present invention provides a solution for individuals wanting to meditate in unity. Users are seeking a reflection of their own moods and state of mind at time of

activities rather than a cognitive modification of thought processes. They are relating to the deeper affects of emotional states rather than processes of rationalization such as "personal circumstances" and "personal challenges".

5 Embodiments of the present invention include enhanced alarms functions on watches, mobile phones, personal desk accessories, internet devices and computers. Alarms that are specifically designed for the function of synchronizing meditation, contemplation and physical movement of a group of individuals that do share the same physical proximity can synchronize these activities without additional instructions and communications in the uses of these alarms. Images that exist on, and sounds that emanate from watches, mobile phones, personal desk accessories, internet devices and computers that are not designed specifically to synchronize meditation, contemplation and physical movement fail to create an identity with individuals of the device with the purpose of synchronous meditation, contemplation or physical movement. The use of devices for a given purpose is dependent on individuals recognition of that device for that given purpose. When individuals do not feel that the purpose of an alarm on a watch is to synchronize meditation and the rest, then it will not be used for such. The probability exists that meditation, contemplation and physical movement occur more often on the hour due to tendencies of individuals to set alarms on the hour, yet it is not the intention that the use of the alarm mechanism to create synchrony of these events and the expectation of individuals wanting to synchronize these events can not depend on this chance. In the users, an understanding that their efforts to synchronize meditation, contemplation and physical movement will be mirrored by the efforts of others individuals will facilitate synchronizing these activities.

10

15

20

In a preferred embodiment, the device comes to the user pre-programmed with cues set at 6:00 am, 12:00 noon, 6:00 pm and midnight Pacific Standard Time. The user is encouraged to use these times

as well as other set times in order to effect a unity of meditation and the aforementioned activities at these times.

5 The present invention solves the problem of providing a group of individuals, who wish to be temporally synchronized in meditation or in contemplation including prayer or physical movement irrespective of their physical distance from each other, a process facilitating their wants. The present invention also provides a simple means to synchronize their activities in those individuals who had not prior considered the possibility.

10 The present invention may result in an increase in the compliance of individuals wanting to practice the aforementioned activities on a regular basis. Benefits of said activities in synchrony with other individuals may partially be due to an increased amount of time spent in said activities due to greater compliance.

15 The psychological benefits of belonging to a group of individuals focused on positive sentiment may be demonstrable. Western psychoanalytic theory suggests that personality is defined largely by the conscious subjective aspects of emotions as they are influenced by genetic and environmental influences. The manifestation of personality is frequently considered the accumulative modification of innate affects in defense against pain and suffering. The accumulative modification of innate affects in constructive 20 patterning may be understood in the reinforcement of faith, the sense of belonging to another individual and/or a group and/or a higher power and the sense of security maintained by the individual and group. Synchronization of meditation or contemplation including prayer and physical movement may promote constructive as opposed to defensive affects. Consequently the benefits of said activities in synchrony with other individuals may also be due to an accumulative modification of innate affects in constructive

patterning by the practice of faith, a sense of belonging, and a sense of security resulting in the promotion of positive affects.

5       Personality disorders such as narcissism, and malignant narcissism, and borderline personality disorder may have beneficial therapeutic outcomes when individuals dominated by these disorders engage in the practice of reinforcing the positive affects (faith, the sense of belonging and sense of security) and when they practice compassion. It is understood that the outcome of anger and rage that preoccupies the brain for an instance may result in a modified outcome when individuals learn to integrate these affects with cortical reasoning. The capacity of individuals to modify their reflexes of 10      acting out anger and rage may be modified by meditation and contemplation. The tendency for individuals with a predisposition to narcissism to use material goods as narcissistic extensions of themselves may be modified by reinforcing constructive affects resulting in more responsible materialism. The present invention promotes the positive sentiments of faith and a sense of belonging to a group of individuals involved in a unity of meditation and in this way may be therapeutic in individuals 15      with narcissistic and borderline tendencies. It provides a harmonious resolution in individuals wanting to be cued in mediation one or more times a day.

Individuals with anxiety disorders and manifestation of anxiety such as panic disorder may benefit from the periodic relaxation that may result from engaging in the aforementioned activities. 20      Cognitive modification resulting in healing from anxious states may result if an individual identifies a time to relax and maintains moments of full awareness on a periodic basis. Individuals who suffer from obsessing with their attachment to persons and worldly goods may benefit if they use moments of contemplation to acknowledge the transient nature of all things.

When a person says that he or she has been in meditation, contemplation including prayer of physical movement and wants to be in a shared process of this same activity we can understand this to be truthful for the individual. This invention may accommodate that truth.

5 The benefits of synchronizing dance, exercise and physical movement of a group of individuals may be greater than the sum of the physical benefits to each individual. This would be understood in the sense of belonging to the group that may be created and the psychological benefits of this.

10 Other health benefits including strengthened immune systems have been suggested to exist in individuals who meditate regularly.

15 Benefits of said activities in synchrony may result in individuals developing a capacity to have faith that other individuals are involved in said activities. By exercising faith and belonging, which are positive affects of personality, personality structure of the culture may evolve away from malignant narcissism where the material world is embraced without a sense of responsibility to a realm of responsible materialism compatible with the practice of compassion for present and future generations.

20 If the present invention is produced with times of cueing set at 6:00 am, 12:00 noon, 6:00 pm and midnight Pacific Standard Time, then all the individuals who are awake in the world and who use cueing devices set with these times would be synchronized.

When meditations are synchronized to each hour of a 24 hour clock then awake individuals throughout the world would find unity of meditation with other individuals users on the hour. If users maintain the preset times of cues then users will be synchronized with other users in the same time zone

and with users in time zones 6, 12 and 18 hours advanced or delayed.

Numerous other advantages and features of the present invention will become readily apparent from the following detailed description of the invention and the embodiments thereof, from the claims and from the accompanying drawings.

5

#### BRIEF DESCRIPTION OF THE DRAWINGS

The invention is illustrated below and represented schematically in the following drawings:

10 FIG. 1 is a representative functional block diagram of a preferred embodiment 100 of the present invention.

15 FIG. 2 is a drawing of a preferred embodiment of the present invention comprising a watch with the additional function of cueing the user with sound or visual cues to one of the aforementioned processes or actions.

FIG. 3 is a drawing of another preferred embodiment of the invention in which a dedicated device has no other function then to provide temporal cues to the aforementioned processes or actions.

20 FIG. 4 is a schematic of a preferred embodiment of the invention that receives broadband signals or signals from a network of computers or appliances in the process of cueing the user to the aforementioned processes or actions.

FIG. 5 is a schematic of an embodiment of the invention that receives broadband signals or

signals from a network of computers or appliances in the process of cueing the user to the aforementioned processes or actions, in which control to regulate cues is effected at the levels of the cueing device and through a database which in part determines the incoming signals to the cueing device.

5 FIG. 6 is a schematic of the menu options used by an individual to input information into the cueing device wherein the menus may appear on the screen on the device itself; as in the case of a preferred embodiment: a wristwatch with the input mechanism comprising two buttons, the crown and a screen, or the menu items may be used to make selections on a computer or other device and the resulting selections downloaded to the cueing device.

10 FIG. 7 is a schematic of the populations of users of the present invention.

#### DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

15 It will be understood that in the event parts of different embodiments have similar functions or uses, they may have been given similar or identical reference numerals and descriptions. It will be understood that such duplication of reference numerals is intended solely for efficiency and ease of understanding the present invention, and are not to be construed as limiting in any way, or as implying that the various embodiments themselves are identical.

20 The term "device" used within this patent application does not suggest that the elements contrived and designed as parts of this invention need be adjacent or in proximity to each other, only that they are interrelated.

List of Reference Numbers

11: Timer Module

12: Central Processing Unit and Memory Module

13: Logic Circuitry

5      14: Speaker or sound generating device

15: Screen or visual display unit

16: Graphic generation circuit

17: Sound generation circuit

18. Input mechanism

10

21. Arm of the user's of a cueing device watch

22. Cueing device watch

23. Crown

24. Input mechanism button

15      25. Input mechanism button

26. Internal speaker

27. Screen

28. Representation of sound

20

31. Housing

32. Speaker

33. Screen

34. Input mechanism knob

35. Input mechanism knob

36. Electrical cord

37. Electrical cord plug

41. User of cueing device

5 42. Regulating mechanism

43. Cueing device

44. Other user devices

45. Sound cues

46. Graphic cues

10 47. Device timing the broadcasting of signals

48. Incoming signals

49. Device producing the broadcasting of signals

51. Database of users and scheduling of cues

15

61. Menu showing list of cues

62. Menu initiating the establishment of a cue

63. Menu utilized in deleting a cue

64-68. Menus used to set the time of a cue in establishing or deleting a cue

20 69. Menu used to select a choice of graphic images or animations used in cueing

70. Menu used to select the number of times the selection of Menu 69 will be repeated on each cue

71. Menu used to select a choice of sounds used in cueing

72. Menu used to select the number of times the selection of Menu 71 will be repeated on each cue

81. Users cued in activity or process by devices with internalized timing, scheduling and presentation information for cues.

82. Users cued in activity or process by devices receiving distributed information over broadband for timing and/or scheduling and/or presentation of information for cues.

5 83. Users cued in activity or process by devices receiving distributed information over a network or networks for timing and/or scheduling and/or presentation information for cues.

FIG. 1: The user of the present invention is cued to the aforementioned activities by graphics on 15 the screen or a visual display such as an image lighting up or by sound from 14 a speaker or sound 10 generating device. The input mechanism 18 may include mechanical devices such as buttons on the side of a watch 24 and 25, or dials on a housing 34 and 35, or keyboards of computers and electric appliances such as mobile phones and PDAs, and other mechanical devices, and may be menu driven by computer programs that may use sound or other input devices. The input mechanism 18 may provide the 12 CPU and Memory, with information that is organized in a way minimizing the use of CPU and or minimizing 15 the use of memory in the device, or that utilizes the CPU and Memory to the fullest.

The invention takes various forms. Devices that incorporate the invention include, but are not limited to watches, mobile phones, PDAs, personal computers, networks of computers, radios and 20 televisions. The distribution of the components of the invention 18, 11, 12, 13, 16, 17, may be within the user device, as in a watch or distributed between devices, as in networks of computers and radio broadcasts. The presence of all components in Fig.1 are not essential to the invention. Graphic or sound cues are produced by the invention with 16 the graphic generating circuits and 15 the screen or visual display and 17 the sound generating circuits and 14 the speaker or sound generating device respectively. A visual display may exist without the use of a screen, 15. When the whole or part of a face of a watch 25 illuminates, showing the design of the watch, this could be considered a visual display for cueing the

aforementioned activities. The most common embodiment of the present invention contains a speaker as part of the **17** sound generation circuit, and a screen, **15** as part of the visual display.

5 In a preferred embodiment of the present invention the input mechanism **18** consists of menu items **61-72** and input mechanism buttons **24,25** (See Fig. 2 and Fig. 6). The combination of the logic circuitry **13**, and the CPU and memory, **12** allows the user to select and activate (store for use by the device) the information. The timer module **11** may be internal to the device (a watch or computer) or external (radio or television). The presence of a timer does not suggest that the invention need function as a clock or watch. A mobile phone may use an internal or external timer. A computer, mobile phone, 10 networked PDA, or other device on a network may use an internal or external timer **21**.

15 The CPU and memory module, **12** stores the information used to construct sound and images, a list of selections of the choices of the user and the times and durations of the cues. The CPU and memory module **12** may be internal to the device or in part distributed over a network. The logic circuitry **13** determines the course of information that is input into the device and the outcome of that information. It 20 may be constructed of both firmware and/or software.

FIG. 2 is a drawing of a preferred embodiment of the present invention. A preferred embodiment is a watch, **26** which has the additional function of producing cues to the aforementioned activities. The watch is initially set to produce cues at 6:00, 12:00, 18:00 and 24:00 hours PST. The watch is initially set to produce two repeats of the sound and two repeats of the graphics with several seconds between each sound and graphic during each cue for activity. The sounds and graphics occur at approximately the same time. Input mechanism buttons, **24** and **25** allows the user of the watch to modify the times and types of cues to the aforementioned activities. The watch, **26** has a crown, **23** which allows the user to set

the time of day. To set the time of day the crown is pulled outwardly from the body of the watch. When the crown is pulled out the second hand is disengaged. The minute and hour hands may be reset by twisting the crown. To engage the hands in time keeping activity the crown **23** is pushed inwardly. The times and type of cues to the aforementioned activities are set by use of buttons, **24** and **25** and the screen, **27**. The choices of sound and graphic cues are made through interacting with a scrolling menu **61-72** (Fig. 6) on the screen. When a given time of cue occurs the device produces a sound **28** and/or graphic cues on the screen **27** for meditation or other aforementioned activity. The menu selection establishing or removing a sound and/or graphic cue may be repeated several times until the schedule of cues is established for the user of the device.

10

When both of the input buttons, **24** and **25** are pushed at the same time the menu selections toggle appear and disappear on the screen, **27**. FIG. 7 is a schematic of the menu selections showing on the screen.

15

Pushing either button **24** or **25** by themselves has distinct results if the menu is showing or is not showing. When the menu is not showing and a sound cue is in the process of being broadcast, pushing either button **24** or **25** will immediately silence the broadcast of the cue. Any repeat of the cue that might follow within the present sequence of cueing will be silenced as well. This action does not delete the cue from the menu. The next cue beyond the present sequence will continue as normal cues, with repeat sounds or images as scheduled, unless the user enters the menu and deletes or adds cues.

20

When the menu is showing pushing button **24** results in the menu scrolling down one item at a time. Pushing button **25** by itself results in activating the window item selected.

When the menu is scrolled to its completion by button **24** and without pushing button **25** during the entire scrolling of the menu, then the menu will disappear. Scrolling the menu and activating menu items may result in following the menu through some branches rather than linearly. In the event that an item is selected in box **62** (sound or graphics or sound & graphics), then the screen will scroll 5 immediately to the time (**64-69**) to facilitate setting the time and will bypass the "Remove Cue" box. Subsequent to setting a time the menu will continue box **69** to **72** to complete the menu. Upon completion of menu item **72** the screen clears of the menu. Holding down buttons **24** and **25** will cause the menu to return. Each time a cue is added or deleted menu **61** updates the list of cues. The time listed on menu **61** refers to the beginning of each cue.

10

FIG. 3. is a drawing of an embodiment of the invention. It is a dedicated device. The device has no other function than to provide temporal cues. The purpose of the temporal cues are to facilitate a unity in meditation and the other aforementioned activities. The embodiment in Fig. 3 contains the components: the housing, **31**, the knobs (input devices **27** and **28**), a screen **25**, a speaker **24** and a cord to 15 a power source. The device contains most of the components of a clock, yet no display of the time is evident. The form of the device must provoke an empathetic response compatible with its use. In the event of the use of the dedicated device is to cue meditation, a form of the housing **31** compatible with meditation is desirable. A housing designed with values of warmth and familiarity or suggesting an altar may best suit the mood and attributes of a user engaging in meditation. In the event of the use of the 20 dedicated device is to cue dance or song, themes of dance and song may illustrate the housing **31**. The form of the housing may be a sculpture of a figure engaged in dance for instance; in the case of the dedicated device being used to cue dance. The power source of alternating current and the use of a cord to connect the power source to the device may be substituted by batteries or power cells. The user uses input device **27** and **28** to scroll and select menu items on the screen. The speaker broadcasts sound cues

and the screen displays graphics at the time of cues for the aforementioned activities as selected by the user. The device may come with cues for the aforementioned activities set at the hours of 6:00, 12:00, 18:00 and 24:00 PST with the suggestion that the user maintain one or more of these time in order to facilitate the temporal synchrony of cues with a large number of individuals.

5

FIG. 4. is a schematic of an alternative embodiment of the invention. The embodiment of the invention in FIG. 4 receives broadband signals. The broadband signals may contain information specifying the timing and form of the cues. The broadband signals may be radio frequency waves containing the information about sound cues or television. or mobile device frequency waves containing information about graphic and/or sound information. The present invention, as noted in Fig. 1, contains input mechanism 18, CPU and memory 12, Timer 11, logic circuitry, sound and graphic generating circuits 17 and 16. The flow of information over these elements may be distributed over broadband or networks and supply information to the cueing device 43 or they may be internal to the cueing device. Fig. 4 illustrates a device timing 47 the broadcasting of signals 47, and the production 49 of incoming signals 48 to the one user's cueing device. The devices timing 47 the broadcasting of signals 48, the production of signals 49 also broadcasts the same incoming signals 48 to other cueing devices. The device timing the broadcasting of signals and the device producing signals may be distributed or as one unit. A cueing device may be used by an individual or more than one individual and may be networked with other cueing devices. The regulating mechanism 42 allows the user to select sound cues, graphic cue and scheduling and duration of cues at the level of the cueing device.

20  
FIG. 5 is a schematic of an alternative embodiment of the invention. The embodiment of the invention in FIG. 5 include elements which time and schedule the broadcasting of broadband signals. A database of user's and their schedule of cues may include timing and content of broadband signals

specifying the timing and form of the cues. The broadband signals may be radio frequency waves, television or mobile device frequency waves containing information about graphic and/or sound information. The present invention, as noted in Fig. 1, contains input mechanism 18, CPU and memory 12, Timer 11, logic circuitry, sound and graphic generating circuits 17 and 16. The flow of information over these elements may be distributed over broadband or networks and supply information to the cueing device 43 or they may be internal to the cueing device. Fig. 4 illustrates a device timing 47 the broadcasting of signals 47, and the production 49 of incoming signals 48 to the one user's cueing device. The devices timing 47 the broadcasting of signals 48, the production of signals 49 also broadcasts the same incoming signals 48 to other cueing devices. The device timing the broadcasting of signals and the device producing signals may be distributed or as one unit. A cueing device may be used by an individual or more than one individual and may be networked with other cueing devices. The regulating mechanism 42 allows the user to select sound cues, graphic cue and scheduling and duration of cues at the level of the cueing device.

FIG. 6 is a schematic of the menu options used by an individual to input information into the cueing device. The menus may appear on the screen of the device itself, as in the case of a preferred embodiment; a wristwatch with the input mechanism comprising two buttons, the crown and a screen, or the menu items may be used to make selections on a computer or other device and the resulting information downloaded to the cueing device. In the case of the preferred embodiment of a watch with two buttons, a crown and a screen; one button is used to scroll the menu items and the other button is used to activate the menu item.

Item 61 of FIG. 6 represents a list of multiple cues that are active and inactive on a cueing device. Six cueing times are illustrated in item 61. The invention is not limited to 6 cueing times and a

list of cueing times is not an essential part of the invention, nonetheless item 61 illustrates a convenient manner of maintaining an understanding by the user of the cueing times used by the user. It also facilitates an understanding by the user of the cueing times that are preset at the factory. Menu 61 may be a scrolling menu containing greater than 6 entries. A menu containing 24 entries; one for each hour, is an 5 example of the schematic representation of item 61.

Item 62 of FIG. 6 represents a menu used to add a cue to the list of cues. The menu choices listed are not a prerequisite of the cueing device. An embodiment of the invention might consist of a cueing device with only sound or only graphic cues. In the event of either of these embodiment the schematic 10 represents a decision to add a cue, not the additional decision of what class of cue to be added. After a menu item is selected, it may be activated by use of some input device. Design process may result in the above choice being activated from one or several menus albeit they are schematically represented as the one menu.

15 Item 63 of FIG. 6 represents a menu used to delete a cue. In embodiments of the invention with one class of cue the selection is limited to a deleting function only. Embodiments with choices of classes of cues, the choice to delete and the class to delete are both represented. Design process may result in the above choice being activated from one or several menus albeit they are schematically represented as the one menu.

20

Modules 64 through 68 represent menus used to select time. Other schemes used to select time should be considered to be represented by the sequence of menus modules 64 through 68.

Module 69 and module 71 facilitate the selection of a class of cue. A second tier of class of cues

including broadcast or stored graphics and sounds may be used. Classes of graphics may include but are not limited to still graphics including mantras, animations, photographs, image streams. Classes of sound may include but are not limited to sounds including mantras, chants, songs, prayers, sounds of nature, music and words and parts of above. Humor may be suggested by the cue. Laughter may be promoted by the

5 cue.

Modules 70 and 71 represent the ability of the user to determine the number of times the user wishes to have a cue repeated on a given cueing session. An example is the mantra "OHM" may be selected for one or two repeats in order to better orient the user in a spacing of silence between sounds.

10 Some embodiments of the invention may facilitate a variety of sounds or graphics in progression for each cueing session.

FIG. 7 is a schematic of a population that is cued in contemplation or other of the aforementioned activities by various embodiments of the present invention. The users of the devices may create a Unity  
15 In Meditation (TM); a unified body of individuals in the process of meditating at the same time as a means of defining a state of being. A population of individuals cued to the same or similar activities may have a sense of belonging to a larger group cued to a variety of activities. The intention of the invention is to facilitate the propagation of non violent, healthy sentiment. This may manifest in many ways including song, dance, prayer, meditation and other ways. Populations may be unified in the  
20 manifestation of positive sentiment as well as in their specific activities.

FIG. 81 represents the body of users of devices with internal information management of the cueing schedule and content. An adjunct to a device with internal information management may be a computer program and computer including peripherals. Users of watches with the input mechanism

internal to the watch or partially residing in a computer are examples of populations of users represented by module 81.

Module 82 represents users of devices with cueing information distributed to the user devices by means of broadband. Users watching television and being cued in meditation when sound and graphic cues for meditation are broadcast in order to create a Unity In Meditation (TM) are an example of a population defined by module 82. Users receiving cues on mobile phones with or without unique sounds cues are an example of users represented by module 82. When mobile phone users receive a sound message including a "ring" at specific times in a 24 hour period this may constitute as a cueing of meditation.

Module 83 represents users of devices with cueing information distributed over networks.

Computer users on the internet receiving cues for the aforementioned activities at specific times represent an example of a population of users defined by module 83.

15

#### CONCLUSION:

The present invention is the method and apparatus, using components of electronic and/or mechanical devices contained in part within or completely within watches, personal desk accessories, appliances, portable phones, computers or networked devices, to temporally synchronize meditation and/or contemplation including prayer and/or physical movement in individuals, in shared or diverse physical surroundings. The form of the cues, which occur one or several times a day for a group of individuals, are in sound and visual cues including but not limited to images, color patterns and animation.

The potential spiritual and psychological benefits of the present invention include enhanced harmony of spiritualism, reinforcement of the constructive affects of faith, and/or of a sense of belonging to a group and/or a sense of belonging to a higher power. The promotion of responsible materialism within society is a potential outcome if the synchronization and reenforcement of the aforementioned 5 activities contributes to the therapeutic remedy for narcissism, borderline personality and anxiety disorders.

The process of using watches and other devices to synchronize meditation has ramifications to those individuals wishing to synchronize their meditation with others. Without this process the 10 adherence to explicit instructions is needed to facilitate the uses of watches for this purpose.

Psychological descriptions of personality frequently define patterns of the mechanisms individuals use to defend against pain, fear and a diminished sense of self. Equivalently significant to defining personality are mechanisms used constructively to strengthen psychological factors which 15 balance pain and fear and which facilitate acceptance and motivate healthy assertiveness. Included in these mechanisms are the reinforcement of faith, a sense of belonging and a sense of security. The present invention may result in the strengthening of an individual's sense of and commitment to faith and sense of belonging when meditation, contemplation (including prayer), dance, exercise and the practice 20 of martial arts are synchronized and practiced as a group. As an adjunct to said activities the present invention promotes their use.

The positive affects of faith and sense of belonging, when reinforced, may diminish the need of individuals to use psychological defense mechanisms of control, paranoia, compulsive processes and the transference of anger.

An additional ramification of the present invention is that it may bring happiness to those individuals wishing to be involved in said activities in synchrony with other individuals.

Unless defined otherwise, all technical and scientific terms used herein have the same meaning  
5 as commonly understood by one of ordinary skill in the art to which the present invention belongs.

Although any methods and materials similar or equivalent to those described can be used in the practice or testing of the present invention, the preferred methods and materials are now described. All publications and patent documents referenced in the present invention are incorporated herein by reference.

10

While the principles of the invention have been made clear in illustrative embodiments, there will be immediately obvious to those skilled in the art many modifications of structure, arrangement, proportions, the elements, materials, and components used in the practice of the invention, and otherwise, which are particularly adapted to specific environments and operative requirements without departing  
15 from those principles. The appended claims are intended to cover and embrace any and all such modifications, with the limits only of the true purview, spirit and scope of the invention.

///